

WATERSHED WITHIN COUNTIES Watershed County Total % of County in Watershed Acreage in County Acreage 418,000 152,500 Fauguier Greene 205,200 218,900 124,600



ALLOCATION

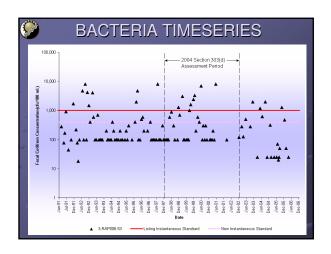
WATERSHED HISTORY Characterize watershed Size

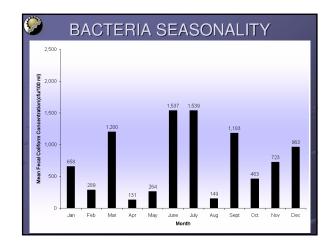
- Land use
- Slope
- Soils and geology
- Stream channel dimension
- Identify critical contamination conditions
 - Timeseries of bacteria concentration
 - Seasonality
 - Bacteria concentration versus flow

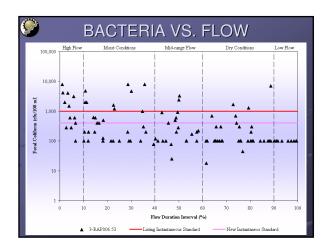
WATERSHED CHARACTERISTICS

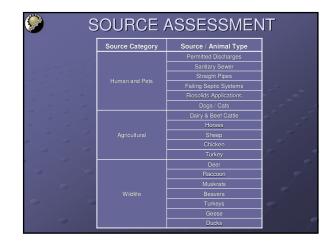
Develop and evaluate allocation scenarios

		Land use					
Impairment	Drainage Size (sq. mi.)	Agricultural (%)	Residential (%)	Forest (%)	Water (%)		
Marsh Run (VAN-E13R-03)	17	23	1	75	1		
Blue Run (VAN-E13R-01)	33	41	2	55	2		
Rapidan River (VAN-E13R-02)	245	36	1	62	1		
UT to Rapidan (VAN-E13R-04)	2	52	1	45	2		
Cedar Run (VAN-E16R-01)	28	55	1	43	1		
Rapidan River (VAN-E18R-01)	240	36	1	62	1		



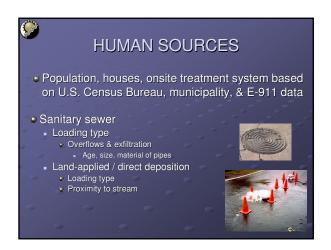






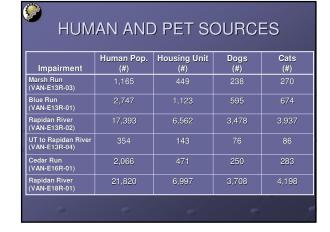


PERMITTED DISCHARGES							
	Fa	cility Type	Design Flow (MGD)				
Impairment	Municipal	Industrial	General	Minimum	Maximum		
Marsh Run (VAN-E13R-03)	0	0	0	N/A	N/A		
Blue Run (VAN-E13R-01)	0	0	0	N/A	N/A		
Rapidan River (VAN-E13R-02)	4	2	1	0.001	1.500		
UT to Rapidan River (VAN-E13R-04)	0	0	0	N/A	N/A		
Cedar Run (VAN-E16R-01)	0	1	10	0.001	0.200		
Rapidan River (VAN-E18R-01)	3	2	27	0.001	2.000		
	9	9	1	9			



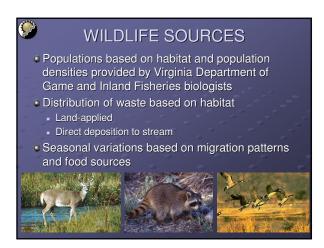




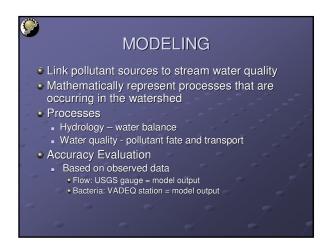




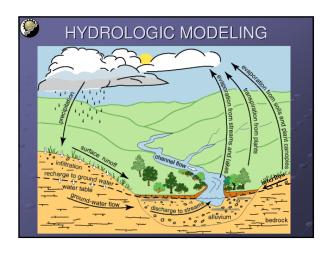
	Beef*	Dairy⁺	Horse	Sheep	Turkey	Chicken
Impairment	(#)	(#)	(#)	(#)	(#)	(#)
Marsh Run (VAN-E13R-03)	234	0	158	14	0	0
Blue Run (VAN-E13R-01)	844	0	466	59	0	0
Rapidan River (VAN-E13R-02)	5,634	2,580	3,125	266	55,000	0
UT to Rapidan River (VAN-E13R-04)	78	0	59	4	0	0
Cedar Run (VAN-E16R-01)	1,254	695	528	24	0	0
Rapidan River (VAN-E18R-01)	5,973	2,635	3,013	274	53,500	24,000

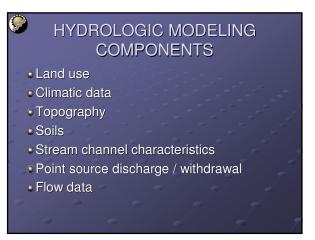


WILDLIFE SOURCES								
Impairment	Deer (#)	Raccoon (#)	Muskrat (#)	Beaver (#)	Geese (#)	Duck (#)	Turke	
Marsh Run (VAN-E13R-03)	443	447	747	51	65	23	51	
Blue Run (VAN-E13R-01)	804	844	4,923	94	126	44	72	
Rapidan River (VAN-E13R-02)	6,670	5,666	13,648	631	903	357	556	
UT to Rapidan River (VAN-E13R-04)	68	55	279	6	9	3	5	
Cedar Run (VAN-E16R-01)	816	553	1,908	61	96	46	36	
Rapidan River (VAN-E18R-01)	6,162	5,759	11,502	636	900	340	559	



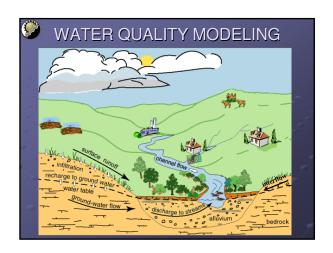


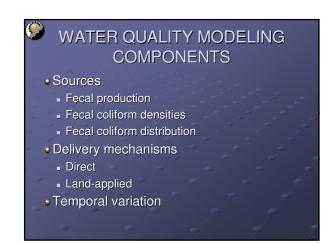




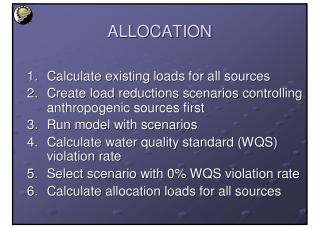




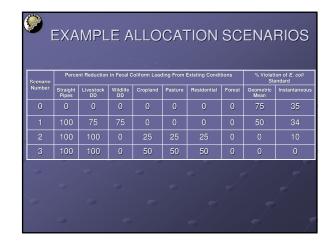


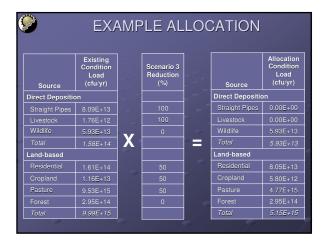


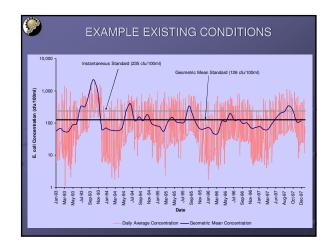


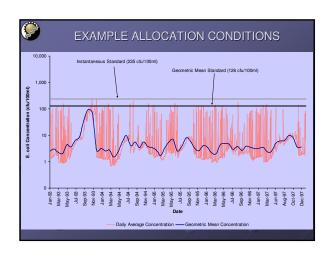














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